**Hardware Announcement**
**November 21, 2006**

# IBM Infoprint 1622 Express (MT 4546) provides fast monochrome printing for small and medium-size workgroups

## Overview

IBM Infoprint® 1622 Express is the replacement for the Infoprint 1512 workgroup printer. This new monochrome laser printer offers faster printing of up to 35 pages per minute (PPM)[1] letter size, up to 33 PPM[1] A4 size. It is designed to deliver the functions needed to support small businesses and small workgroups.

The Infoprint 1622 printer offer flexible networking options including wireless. With wireless capability, you can relocate printers quickly and easily without cost and delay associated with physical cabling.

[1] Exact print speed varies depending on document complexity, system configuration, software applications, driver, and printer status.

***Product number***

For details, refer to the **Product number** section in this announcement.

***Planned availability date***

December 1, 2006

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AP distribution:

| CTRY/Region | | Announced |
|---|---|---|
| ASEAN * | -- | Yes |
| Australia | -- | Yes |
| Hong Kong | -- | Yes |
| PRC | -- | Yes |
| Macao | -- | No |
| Taiwan | -- | Yes |
| Korea | -- | Yes |
| Japan | -- | No |
| New Zealand | -- | Yes |

* Bangladesh, Brunei, Myanmar, Sri Lanka, India, Nepal, Indonesia, Malaysia, Philippines, Singapore, Thailand, Laos, Cambodia, Vietnam

## Description

Infoprint 1622 Express is a monochrome printer that support Letter-size media at up to 35 pages per minute (ppm) and a4-size media at up to 33 ppm. The time to first print is as fast as 7.0 seconds. The printer comes in the following models:

| Model | Standard memory | Maximum memory | Parallel port | USB port | Processor | Data bus width |
|---|---|---|---|---|---|---|
| 501, 502 | 64 MB | 320 MB | Standard | Standard | 400 MHz | 32 bit |

All models come with duplex, one 250-sheet drawer, and a single sheet multipurpose tray standard. One 550-sheet optional drawer is supported or a total input capacity of 801 sheets. Output capacity for all models is 150 sheet top or 1 sheet rear.

### *Memory*

All models have one slot for additional SDRAM memory. Memory options for the Infoprint 1622 include 32 MB, 64 MB, 128 MB, 256 MB for a maximum of 320 MB of memory. All models have one slot for flash memory with a 32 MB flash memory option supported.

### *Network connections*

All models come with 10/100BaseTX Ethernet as standard. Ethernet connections using external print servers is also available.

### *Usage rates*

The maximum monthly usage for the Infoprint 1622 is 45,000 impressions. IBM does not recommend printing to the monthly maximum on a consistent basis.

### *Print quality*

The resolutions of the printers are:

- 1200 x 1200 DPI® (at half rated speed)
- 1200 Image Quality
- 2400 Image Quality
- 600 x 600 dpi

The Toner Darkness setting offers 10 user-selectable settings to balance print darkness and toner savings. The higher the setting, the darker the print. Within the range of print darkness settings, up to 50% toner savings can be realized. The factory default setting is 8. The Toner Darkness setting is accessible in the print driver.

### *Font support*

The following fonts are supported by all models:

| Emulation | Number of scalable fonts | Number of bitmapped fonts |
|---|---|---|
| PCL 6 | 84+5(1) | 2 |
| PostScript | 89 | 0 |
| PPDS | 39 | 5 |

(1) These five additional fonts are OCR-A, OCR-B, and 3 Code 3 of 9 barcode fonts with different aspect ratios.

The fonts in the PCL emulation are compatible with the fonts in the HP LaserJet 1320 and include nine additional fonts and many extra symbol sets to support extra languages and applications. The fonts in the PostScript emulation are compatible with 69 of the 136 fonts in Adobe PostScript 3 and include 20 additional fonts.

Additional fonts can be downloaded to the printer RAM or optional User Flash. PCL emulation supports both scalable and bitmapped downloadable fonts. PostScript emulation supports only downloadable scalable fonts.

## Product number

| Mach type | Model | Feat. number | Part number | Description | UPC |
|---|---|---|---|---|---|
| Australia, New Zealand | | | | | |
| 4546 | 502 | | 39V1701 | Infoprint 1622 | 0-00435-95026-0 |
| PRC | | | | | |
| 4546 | 502 | | 39V1702 | Infoprint 1622 | 0-00435-95027-7 |
| Taiwan | | | | | |
| 4546 | 501 | | 39V1703 | Infoprint 1622 | 0-00435-95028-4 |
| Bangladesh, India, Brunei Darussalam, Indonesia, Malaysia, Vietnam, Laos, Thailand, Philippines, Cambodia, Singapore, Sri Lanka, Myanmar | | | | | |
| 4546 | 502 | | 39V1705 | Infoprint 1622 | 0-00435-95030-7 |
| Hong Kong | | | | | |
| 4546 | 502 | | 39V1706 | Infoprint 1622 | 0-00435-95031-4 |
| | | 4502 | 39V1672 | 550-Sheet Drawer with Tray | |
| | | 4332 | 39V0963 | 32 MB SDRAM | |
| | | 4364 | 39V0964 | 64 MB SDRAM | |
| | | 4390 | 39V0965 | 128 MB SDRAM | |
| | | 4392 | 39V1673 | 256 MB SDRAM | |
| | | 4038 | 75P6989 | 32 MB Flash Card | |
| | | 4870 | 39V1674 | Bar Code Card | |
| | | 4163 | 39V1524 | Ethernet 10/100BaseTX (1 USB port) | |
| | | 4164 | 39V1525 | Ethernet 1000BaseTX (4 USB ports) | |
| | | 4165 | 39V1526 | Ethernet 10/100BaseTX (1 parallel pt) | |
| | | 4180 | 75P7029 | 10 ft. Parallel Cable | |
| | | 4184 | 75P7030 | 2-meter USB Cable | |

### *Accessibility by people with disabilities*

**For hardware offerings:**

The following features support use by people with disabilities:

- Controls and latches are operable with one hand and minimal dexterity.
- Keys are discernible by touch without activating them.
- The display, controls, latches, and levers are accessible to someone in a wheel chair.
- Color is used as an enhancement for conveying information, and as an additional method of distinguishing between buttons, controls, and latches.

***Trademarks***

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# IBM Asia Pacific Announcement Supplemental Information

November 21, 2006

## Publications

All hardcopy publications are downloadable from the IBM Web site

**http://www.printers.ibm.com.**

The following publications are shipped with the products:

- Infoprint® 1612 and 1622 Express Setup Sheet (wordless)
- IBM Quick Reference Card

***Operator Panel:*** This will be available in the following languages: English, Danish, Dutch, Finnish, French, German, Italian, Norwegian, Polish, Brazilian Portuguese, Russian, Spanish, Swedish, Hungarian, Czech

Additionally, the Infoprint 1622 has Korean, Simplified Chinese, Traditional Chinese, and Japanese.

***User's guide:*** This will be available in the following languages: English, Danish, Dutch, Finnish, French, German, Italian, Korean, Hebrew, Norwegian, Polish, Brazilian Portuguese, Russian, Spanish, Swedish, Simplified Chinese, Traditional Chinese

***Driver and Utilities CD:*** These will be available in the following languages: English, French, German, Italian, Polish, Brazilian Portuguese, Russian, Spanish, Simplified Chinese, Traditional Chinese, Korean, Japanese

## Services

### *IBM Integrated Technology Services*

IBM services include business consulting, outsourcing, hosting services, applications, and other technology management.

These services help you learn about, plan, install, manage, or optimize your IT infrastructure to be an On Demand Business. They can help you integrate your high-speed networks, storage systems, application servers, wireless protocols, and an array of platforms, middleware, and communications software for IBM and many non-IBM offerings. IBM is your one-stop shop for IT support needs.

For details on available services, contact your IBM representative or visit

**http://www.ibm.com/services/**

For details on available IBM Business Continuity and Recovery Services, contact your IBM representative or visit

**http://www.ibm.com/services/continuity**

For details on education offerings related to specific products, visit

**http://www.ibm.com/services/learning/ index.html**

Select your country, and then select the product as the category.

## Technical information

***EMC conformance:*** Taiwan BCIQ CNS13438 (Taiwan EMC Standard)

### *Specified operating environment*

#### *Physical specifications*

**Dimensions**

| | Width | Depth | Height | Weight (1) |
|---|---|---|---|---|
| Printer | 396.0 mm (15.6 in) | 359.0 mm (14.1 in) | 259.5 mm (10.2 in) | 11.1 kg (24.5 lb) |
| 550-Sheet Drawer | 393.0 mm (15.5 in) | 373.5 mm (14.7 in) | 130.0 mm (5.1 in) | 3.2 kg (7.1 lb) |

(1) Weights for low voltage and high voltage models are the same.

**Recommended clearances**

| Left | Right | Front | Back | Top |
|---|---|---|---|---|
| 300.0 mm (12.0 in) | 300.0 mm (12.0 in) | 200.0 mm (8.0 in) | 90.0 mm (3.5 in) | 150 mm (6.0 in) |

**Note:** When installing the printer, the customer should allow enough room to access the paper trays and paper exits.

#### *Operating environment*

- Operating environment
  - Temperature: 15.6° to 32.2°C (60° to 90°F)
  - Relative humidity: Up to 80% for temperatures less than 25.5°C (78°F)
  - Altitude: 0 to 2,500 meters (8,200 ft)
- Storage and shipping environment (Packed)
  - Temperature: -20° to 40°C (-4° to 104°F)
  - Relative humidity: 8% to 95% (non-condensing)
  - Altitude: 0.25 atmospheric pressure (equivalent to 10,300m, 34,000 ft)
- Storage and shipping environment (Unpacked)
  - Temperature: 0° to 40°C (32° to 104°F)
  - Relative humidity: 8% to 80% (non-condensing)

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## *Electrical specifications*

### *Low-voltage models*

- 110 — 127 V ac at 50 to 60 +/-3 Hz, nominal
- 99 — 137 V ac, limits of operating range

### *High-voltage models*

- 220 — 240 V ac at 50/60 +/-3 Hz (not available in all countries)
- 198 — 259 V ac, limits of operating range

### *Power consumption*

| Printing states | All models |
|---|---|
| - Off | 0 W |
| - Continuous Printing | 520 W |
| - Ready Mode | 12 W |
| - Sleep/Power Saver Mode | 10 W |
| Maximum Current while printing | |
| 120 Volts | 9.1 A |
| 230 Volts | 4.0 A |
| Average Current while printing | |
| 120 Volts | 6.0 A |
| 230 Volts | 3.1 A |

**Notes**

- Using a 220 VAC to 110 VAC power converter with the low voltage model is not recommended.
- All models are ENERGY STAR compliant.

### *Acoustics*

Infoprint 1622

| Mode | Declared A-Weighted Sound Power Level LWAd (B) | Declared A-Weighted Sound Pressure Level LpAm (dB) Bystander Position |
|---|---|---|
| Printing | 6.6 | 52 |
| Printing Quiet | 6.1 | 47 |
| Idle | 3.1 | 18 |

Infoprint 1612

| Mode | Declared A-Weighted Sound Power Level LWAd (B) | Declared A-Weighted Sound Pressure Level LpAm (dB) Bystander Position |
|---|---|---|
| Printing | 6.6 | 52 |
| Printing Quiet | 6.2 | 48 |
| Idle | 3.3 | 17 |

**Notes**

1. LWAd is the statistical upper-limit A-weighted sound power level (rounded to the nearest 0.1 B);
2. LpAm is the mean A-weighted emission sound pressure level measured at the 1-meter bystander positions (rounded to the nearest dB);
3. All measurements made in conformance with ISO 7779 and declared in conformance with ISO 9296.

## *Planning information*

***Customer responsibilities:*** These printers are designed as a Customer Setup Unit (CSU). The customer is responsible for:

- Adequate site, system, and other vendor preparation
- Receipt at the customer location and placement of the printer
- Installation and configuration of the printer and features by following the installation instructions, including:
  - Installing and maintaining cables
  - Loading print media and clearing jams
  - Performing low-level problem determination
  - Ordering and installing supplies and consumables
- Working with IBM Technical Support to complete low-level problem determination including:
  - Downloading and installing microcode updates as directed by the IBM Technical Support Center
  - Replacing defective features that were installed as part of the customer setup process

It is the customer's responsibility to order and maintain an adequate inventory of toner cartridges and maintenance supplies.

***Cable orders:*** Attachment cables are not provided with the printer and must be provided or purchased by the customer. They are the responsibility of the customer and are not covered by product warranty or post-warranty services.

The Parallel printer cable features are recommended when attaching the printer to a Parallel port.

The Universal Serial Bus (USB) cable feature is recommended when attaching the printer to a USB port.

***Packaging:*** Contents may vary by country.

| Product | Description | Number of boxes |
|---|---|---|
| Infoprint 1622 | | |
| Printer (Models 501, x51) | Low-volt printer with 64 MB memory, 10/100BaseTX, 6.0K print cartridge, Drivers, Utilities, and Publications CD, Setup sheet, Safety notices sheet, Supplies program flyer, Warranty sheet, power cord | 1 |
| Printer (Models 502, x52) | High-volt printer with 64 MB memory, 10/100BaseTX, 6.0K print cartridge, Drivers, Utilities, and Publications CD, Setup sheet, Safety notices sheet, Supplies program flyer, Warranty sheet, power cord | 1 |

***Supplies:*** The Infoprint 1622 is shipped with a 6,000-impressions (1) print cartridge. Replacement 6,000-, and 11,000-impressions (1) print cartridges are available.

It is the customer's responsibility to order and maintain an adequate inventory of toner cartridges and maintenance supplies.

***Consumables:*** The following replacement supplies are available for Infoprint 1622:

| Description | Model | Part number | Apx. avg. yield (1) |
|---|---|---|---|
| 6.0K Toner Cartridge | All | 39V1639 | 6,000 impressions |
| Return Program 6.0K Toner Cartridge | All | 39V1640 | 6,000 impressions |
| 11.0K Toner Cartridge | All | 39V1643 | 11,000 impressions |
| Return Program 11.0K Toner Cartridge | All | 39V1644 | 11,000 impressions |

(1) These numbers reflect an approximate average yield that has been established for each supply item indicated based on 5% coverage. These yields are not a guarantee of minimum life and are not covered under warranty, but are provided to assist in supplies planning. Actual usage should be used to establish the life of the supply product in each end user's specific application. Many factors, such as print coverage per page, paper type and size, model type, and environmental conditions can affect supply life.

Declared yield value in accordance with ISO/IEC 19752.

The approximate average yields are not a warranty or guarantee of minimum life, and are provided to assist in initial supplies planning. Actual usage should be used to establish the supply's life in the end user's application. Many factors (for example, print coverage per page, machine settings, paper type and size, and environmental conditions) can affect supply life.

***Maintenance supplies:*** The following maintenance supplies are available for these printers:

| Description | Model | Part number | Approximate average yield |
|---|---|---|---|
| Photoconductor Kit | All | 39V1645 | 30,000 impressions |

All maintenance supplies are customer installable. Installation services are available at IBM's current billable service rate for this product, with a one-hour minimum. The maintenance kits must be purchased separately by the customer before contacting IBM for installation.

Supply warranties are only for defects in materials and workmanship at the time of shipment and installation. They are not for print count life or normal wear and tear, nor for any print count minimum. Contact your place of purchase for warranty return instructions.

IBM is committed to environmentally conscious programs for printer supplies. A collection program for used printer cartridges has been established and return instructions are included in the supply item packaging, with free return shipping.

End users can contact IBM for the name of an IBM reseller in their area where IBM printing supplies can be purchased. Resellers can order IBM printing supplies through IBM in Asia Pacific.

To call IBM, contact one of the following numbers:

Australia 132 426
Bangladesh 65-320 1631
Brunei 65-320 1631
Cambodia 65-320 1631
China 86-10-65391188-3009
Hong Kong 852-2825-7878
India 91-80-22063000
Indonesia 62-21-523-8153
Japan 81-3-5563-3886
Korea 82-2-3284-5090
Laos 65-320 1631
Malaysia 60-3-7720-2517
Myanmar 65-320 1631
New Zealand 0800 810800
Philippines 63-2-819-2307
Singapore 65-320 1631
Sri Lanka 65-320 1631
Taiwan 886-2-27258888-9517
Thailand 66-2-273-4538
Vietnam 65-320 1631

### *Security, auditability, and control*

This product uses the security and auditability features of the host hardware, host software, and application software.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

## Terms and conditions

***Volume orders:*** Contact your IBM representative.

### *Warranty and maintenance*

***Warranty period:*** Twelve months

***Warranty***

- Technical support during warranty period
- IBM On-Site Repair (IOR) 9 x 5, next business day with Tier 1 CRU

***Warranty service upgrades***

- IOR 24 x 7, same day

***Post-warranty service***

- IOR 9 x 5, Monday through Friday excluding holidays
- IOR 24 x 7

***IBM hourly service rate classification:*** Two

***Maintenance processing:*** Low end

**Warranty service**

If required, IBM provides repair or exchange service depending on the types of warranty service specified for the machine. IBM will attempt to resolve your problem over the telephone, or electronically via an IBM Web site. You must follow the problem determination and resolution procedures that IBM specifies. Scheduling of service will depend upon the time of your call and is subject to parts availability. If applicable to your product, parts considered Customer Replaceable Units (CRUs) will be provided as part of the machine's standard warranty service.

Service levels are response-time objectives and are not guaranteed. The specified level of warranty service may not be available in all worldwide locations. Additional charges may apply outside IBM's normal service area. Contact your local IBM representative or your reseller for country- and location-specific information. This product is covered by the following types of service.

CRU service and On-site for other selected parts.

***CRU service:*** IBM provides replacement CRUs to you for you to install. CRU information and replacement instructions are shipped with your machine and are available from IBM upon your request. CRUs are designated as being either a Tier 1 or a Tier 2 CRU.

**Tier 1 CRU**

Installation of Tier 1 CRUs is your responsibility. If IBM installs a Tier 1 CRU at your request, you will be charged for the installation.

**Tier 2 CRU**

You may install a Tier 2 CRU yourself or request IBM to install it, at no additional charge.

Based upon availability, CRUs will be shipped for next-business-day delivery. IBM specifies, in the materials shipped with a replacement CRU, whether a defective CRU must be returned to IBM. When return is required, (1) return instructions and a container is shipped with the replacement CRU and (2) you may be charged for the replacement CRU if IBM does not receive the defective CRU within 30 days of your receipt of the replacement.

The following parts have been designated as Tier 1 CRU parts:

- All output devices
- Memory cards
- Optional firmware cards
- Option cards
- Wireless adapters
- All external adapters
- Op panel overlay
- USB, serial and parallel cables, telephone fax line, scanner cable
- All power cords
- Hard drives
- All input devices
- Base cabinet/stand
- Stacker arm

***Usage plan machine:*** No

***IBM hourly service rate classification:*** Two

When a type of service involves the exchange of a machine part, the replacement may not be new, but will be in good working order.

***Field-installable features:*** Yes

***Model conversions:*** No

***Machine installation***

Customer setup: Customers are responsible for installation according to the instructions IBM provides with the machine.

***Graduated Program License Charges apply:*** No. This product does not contain Licensed Internal Code or Licensed Machine Code.

***Educational allowance available:*** Educational allowance does not apply.

## Prices

For all local charges contact your IBM representative.

***Trademarks***

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